

## **PRINCIPAL TRAFFIC ENGINEER**

### **DISTINGUISHING FEATURES**

The fundamental reason the Principal Traffic Engineer exists is to serve as a specialist performing highly technical engineering work. This position is on a management team that oversees the general planning, development and customer services within the Traffic Engineering department. This classification supervises both professional and para-professional staff. Work is performed with considerable independence and judgment and reports to the Traffic Engineering and Operations Director. The Principal Traffic Engineer is distinguished from the Senior Traffic Engineer by the complexity of the programs managed, supervisory responsibilities and additional years of relevant traffic engineering experience.

### **ESSENTIAL FUNCTIONS**

Coordinates and supervises work of professional and para-professional staff on major operational traffic issues and recommends innovative solutions. Must be able to translate technical material into a language easily understood by the public. Acts as the project manager for a variety of projects.

Supervises on-going development and implementation of the neighborhood traffic management program.

Manages the program for traffic impact and mitigation analysis process (TIMA). Works closely and collaborates with the Planning Systems and Citizen and Neighborhood Resources Departments as part of the plan review and development processes.

Assists in streamlining processes; provides professional advice, trains staff and maintains a collaborative relationship with the staff in the Planning Systems Department. Apprises stakeholders of changes in national standards, changes in local standards, shifts in citizen attitudes and provide advice regarding program integration. Administers the TIMA contract. May direct in-depth traffic impact analyses performed by staff.

Develops performance measures utilizing and integrating neighborhood traffic management programs with other congestion management programs.

Oversees professional engineers and technical engineering staff including continuous effort to improve operations, decrease decision times, streamline analysis processes, and improve quality of traffic engineering study outputs.

Works closely with the public, City Council members and other City Departments. Makes presentations and represents the City in public, Transportation Commission and City Council meetings on matters relating to Traffic Engineering.

Assists with citizen requests for traffic signal warrant studies, speed limit studies, left-turn warrant studies and other studies relating to traffic flow and congestion. Undertakes accident analyses, capacity improvement project reviews, traffic control planning, school traffic safety and policy planning efforts.

Assumes the role of the Traffic Engineering & Operations Director position in absence.

## **MINIMUM QUALIFICATIONS**

### **Knowledge, Skills, and Abilities**

#### Knowledge of:

- Principles, practices, and methods used in traffic engineering.
- Development related issues.
- Federal, State, and local traffic laws, and regulations.

#### Ability to:

- Operate a variety of standard office equipment, including a personal computer that requires continuous and repetitive eye, arm or hand movement.
- Communicate clearly and directly with a variety of stakeholders
- Manage projects.
- Lead team activities.
- Manage a team of highly skilled technical employees
- Organize and conduct traffic surveys, analyze results, and make recommendations on traffic problems
- Read maps and plans
- Comprehend and make inferences from written materials
- Deal effectively with community-oriented issues
- Establish and maintain effective working relationships with co-workers, supervisors, City officials, and the general public
- Maintain regular attendance and punctuality.

### **Education & Experience**

A Bachelor's degree in Traffic Engineering, Civil Engineering or a closely related field; possession of a Professional Engineers license and six years professional level experience in Traffic Engineering, including one year of supervisory experience is required. Must possess a valid Arizona's driver's license without any major violations in the last 39 months.

FLSA Status: Exempt

HR Ordinance Status: Unclassified